


- NOTES**
- 1) CAUTION: SHOCK HAZARD!! THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
  - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
  - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
  - 4) VOLTAGES IN RECTANGLES ARE RMS SIGNAL VOLTAGES. OTHER VOLTAGES ARE D.C. IN CONDITIONS STATED.
  - 5) CIRCUIT GROUND  $\uparrow$  DIRTY GROUND  $\downarrow$  CHASSIS GROUND  $\perp$

REV	DATE	BY	CHK'D	DESCRIPTION
3	06/18/94	LMA		REV CHG TO REFLECT JUMPER CHG PER E150
2				
1				

<b>SIGNATURES:</b>	<b>DATE:</b>	 <b>11860 BORMAN DR.</b> <b>ST. LOUIS, MISSOURI</b> <b>63148</b>
DRAWN: ERW CHK'D: APP'D:	3/30/93	
<b>PROJECT NAME:</b> SVT-2 PRO		<b>DRAWING NO.:</b> 07S519-03 <b>SCALE:</b> 1:1 <b>SHEET:</b> 1 OF 1
<b>ORIGINAL ISSUED:</b>		
<b>PLOT DATE:</b> 05/18/94 <b>PLOT TIME:</b> 09:42:37		
<b>FILE NAME:</b> 51903H3Z		

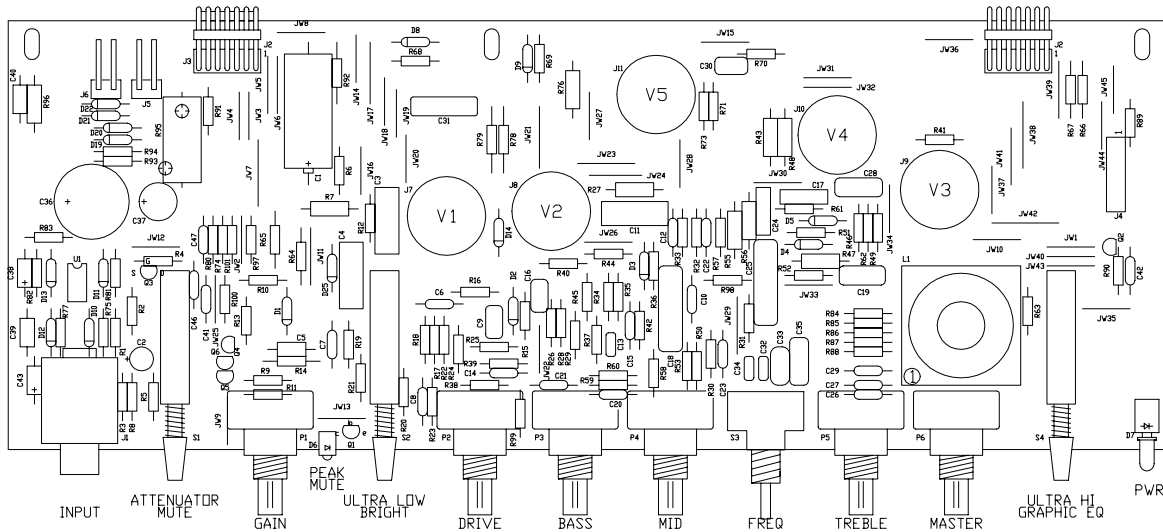
A


B

C

D

E



3	06/18/94	LMA		76-000-01 TO -05 PER E150
2	10/29/93	SWR		CHANGED P/N FOR S1, S2, & S4
1	08/30/93	SWR		ADDED 68-935-01 LED MOUNT TO PARTS LIST
REV	DATE	BY	CHK'D	DESCRIPTION
SIGNATURES:		DATE:		 11880 BORMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN: ERW		3/30/93		
CHK'D:		PROJECT NAME:		SVT-2 PRO
APP'D:		DRAWING NAME:		
ORIGINAL ISSUED:		PLOT DATE: 05/18/94		PRE AMP PICTORIAL
PLOT TIME: 08:50:58		DRAWING NO. 07P519-03		
FILE NAME: 51903P3Z		SCALE: 1:1		REV. 3
		SHEET: 1 OF 2		

A

B

C


D

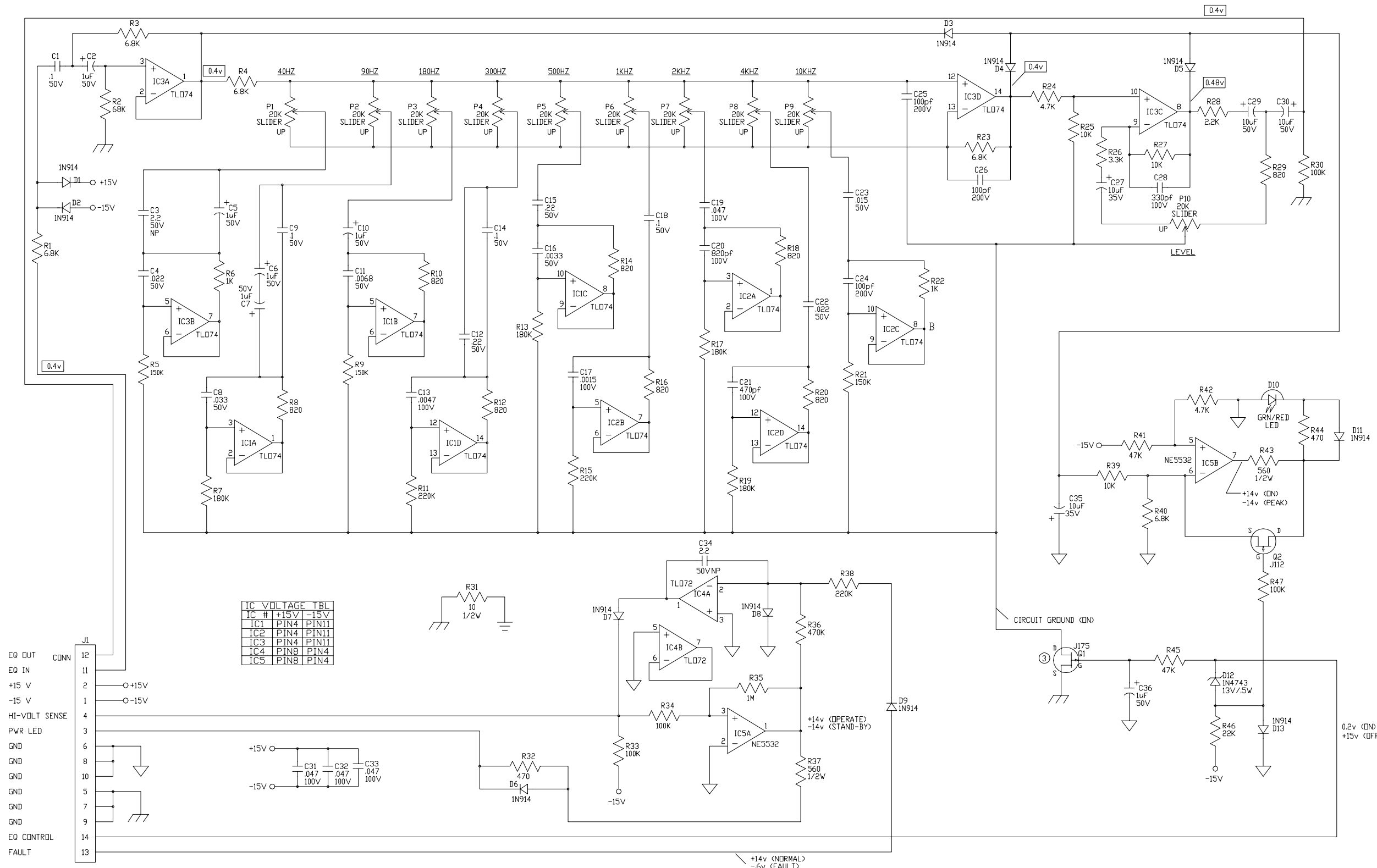
E

A		B		C		D		E	
DES.	PART #	DESCRIPTION		J8	17-450-09	TUBE SOCKET	R56	77-823-01	82K 1/2W
C1	12-106-91	10	400V	J9	17-450-09	TUBE SOCKET	R57	76-153-01	15K
C2	12-226-32	22	35V	J10	17-450-09	TUBE SOCKET	R58	76-222-01	2. 2K
C3	10-104-10	0. 1	400V	J11	17-450-09	TUBE SOCKET	R59	76-124-01	120K
C4	10-104-10	0. 1	400V	L1	94-602-32	800mH TAPPED	R60	76-224-01	220K
C5	10A104-01	0. 1	50V	P1	70-254-15	250KA	R61	76-105-01	1M
C6	10A221-11	220pf	100V	P2	70-254-15	250KA	R62	76-223-01	22K
C7	10A471-21	470pf	200V	P3	70-105-12	1MA	R63	76-105-01	1M
C8	10A472-11	0. 0047	100V	P4	70-503-17	50KL	R64	76-105-01	1M
C9	10-104-03	0. 1	100V POLY	P5	70-105-12	1MA	R65	76-152-01	1. 5K
C10	10A153-01	0. 015	50V	P6	70-254-15	250KA	R66	76-105-01	1M
C11	10-104-10	0. 1	400V	Q1	96-013-01	MPSA13	R67	76-104-01	100K
C12	10A472-11	0. 0047	100V	Q2	96-510-01	2N5210	R68	76-105-01	1M
C13	10-333-02	0. 033	100V POLY	Q3	96-176-01	J176	R69	76-224-01	220K
C14	10A102-11	0. 001	100V	Q4	96-510-01	2N5210	R70	76-473-01	47K
C15	10A221-11	220pf	100V	Q5	96-510-01	2N5210	R71	76-474-01	470K
C16	10-104-03	0. 1	100V POLY	Q6	96-510-01	2N5210	R72	76-332-01	3. 3K
C17	10-223-10	0. 022	400V	R1	76-473-01	47K	R73	76-105-01	1M
C18	10-684-21	0. 68	250V POLY	R2	76-273-01	27K	R74	76-223-01	22k
C19	10-104-21	0. 1	200V POLY	R3	76-335-01	3. 3M	R75	76-223-01	22k
C20	10A102-11	0. 001	100V	R4	76-104-01	100K	R76	77-224-02	221K 1/2W 1%
C21	10A103-11	0. 01	100V	R5	76-104-01	100K	R77	76-223-01	22k
C22	10A102-11	0. 001	100V	R6	76-472-01	4. 7K	R78	76-333-01	33K
C23	10A471-21	470pf	200V	R7	77-104-02	100K 1/2W 1%	R79	76-105-01	1M
C24	10-223-10	0. 022	400V	R8	76-152-01	1. 5K	R80	76-104-01	100K
C25	10-684-21	0. 68	250V POLY	R9	76-473-01	47K	R81	76-222-01	2. 2K
C26	10A150-21	15pf	200V	R10	76-105-01	1M	R82	76-222-01	2. 2K
C27	10A101-21	100pf	200V	R11	76-223-01	22k	R83	76-222-01	2. 2K
C28	10-224-03	0. 22	100V POLY	R12	76-474-01	470K	R84	76-474-01	470K
C29	10A472-11	0. 0047	100V	R13	76-472-01	4. 7K	R85	76-474-01	470K
C30	10-104-03	0. 1	100V POLY	R14	76-104-01	100K	R86	76-474-01	470K
C31	10-224-25	0. 22	250V	R15	76-473-01	47K	R87	76-474-01	470K
C32	10-333-02	0. 033	100V POLY	R16	76-105-01	1M	R88	76-474-01	470K
C33	10-154-02	0. 15	100V POLY	R17	76-473-01	47K	R89	76-332-01	3. 3K
C34	10-333-02	0. 033	100V POLY	R18	76-335-01	3. 3M	R90	76-105-01	1M
C35	10-224-03	0. 22	100V POLY	R19	76-224-01	220K	R91	76-471-01	470
C36	12-228-26	2200	25V	R20	76-224-01	220K	R92	76-471-01	470
C37	12-108-12	1000	16V	R21	76-224-01	220K	R93	76-221-01	220
C38	12A106-11	10uF	16V	R22	76-335-01	3. 3M	R94	76-221-01	220
C39	10A473-11	0. 047	100V	R23	76-335-01	3. 3M	R95	78-050-05	5 5W
C40	10A473-11	0. 047	100V	R24	76-274-01	270K	R96	77-101-01	100 1/2W
C41	10A223-01	0. 022	50V	R25	76-154-01	150K	R97	76-474-01	470K
C42	10A223-01	0. 022	50V	R26	76-224-01	220K	R98	76-682-01	6. 8K
C43	12A106-11	10uF	16V	R27	77-104-02	100K 1/2W 1%	R99	76-223-01	22K
C46	10A223-01	0. 022	50V	R28	76-152-01	1. 5K	R100	76-105-01	1M
C47	10A223-01	0. 022	50V	R29	76-472-01	4. 7K	R101	76-473-01	47K
D1	21A914-01	1N914		R30	76-152-01	1. 5K			
D2	21A914-01	1N914		R31	76-104-01	100K			
D3	21A914-01	1N914		R32	76-105-01	1M			
D4	21A914-01	1N914		R33	76-105-01	1M			
D5	21A914-01	1N914		R34	76-154-01	150K			
D6	21-501-01	RED	LED	R35	76-154-01	150K			
D7	21-591-01	RED/GRN	LED	R36	76-473-01	47K			
D8	21A914-01	1N914		R37	76-274-01	270K			
D9	21A914-01	1N914		R38	76-183-01	18K			
D10	21A914-01	1N914		R39	76-104-01	100K			
D11	21A914-01	1N914		R40	76-473-01	47K			
D12	21A914-01	1N914		R41	76-474-01	470K			
D13	21A914-01	1N914		R42	76-472-01	4. 7K			
D14	21A914-01	1N914		R43	77-224-02	221K 1/2W 1%			
D19	21A402-01	1N4002		R44	76-561-01	560			
D20	21A402-01	1N4002		R45	76-103-01	10K			
D21	21A402-01	1N4002		R46	76-474-01	470K			
D22	21A402-01	1N4002		R47	77-224-02	221K 1/2W 1%			
D25	21A914-01	1N914		R48	77-224-02	221K 1/2W 1%			
J1	39-119-01	T/S	JACK	R49	76-103-01	10K			
J2	17-101-14	14PIN	HEADER	R50	76-222-01	2. 2K			
J3	17-101-14	14PIN	HEADER	R51	76-333-01	33K			
J4	17-310-05	5PIN	HEADER	R52	76-105-01	1M			
J5	17-311-02	2PIN	R/A-HEADER	R53	76-224-01	220K			
J6	17-311-02	2PIN	R/A-HEADER	R55	77-683-01	68K 1/2W			
J7	17-450-09	TUBE SOCKET							

<input checked="" type="checkbox"/> S1	88-303-02	4PDT	SWITCH
<input checked="" type="checkbox"/> S2	88-303-02	4PDT	SWITCH
<input checked="" type="checkbox"/> S3	88-108-01	5 POS.	SWITCH
<input checked="" type="checkbox"/> S4	88-303-02	4PDT	SWITCH
U1	37-072-01	TLD72	
V1	97-927-02	12AX7 PREMIUM	
V2	97-927-01	12AX7	
V3	97-927-01	12AX7	
V4	95-126-01	12AU7	
V5	97-927-01	12AX7	
PCB1	06A519-03	PC BOARD	
<input checked="" type="checkbox"/> JW1-JW45	76-000-05	JUMPER	

① 68-935-01 LED MOUNT (FOR D7)


3	06/18/94	LMA		76-000-01 TO -05 PER E150
<input checked="" type="checkbox"/> 2	10/29/93	SWR		CHANGED P/N FOR S1, S2, & S4
<input checked="" type="checkbox"/> 1	08/30/93	SWR		ADDED 68-935-01 LED MOUNT TO PARTS LIST
REV	DATE	BY	CHK'D	DESCRIPTION
SIGNATURES:		DATE:		 11880 BORMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN: ERW		3/31/93		
CHK'D:		PROJECT NAME:		SVT-2 PRO
APP'D:		DRAWING NAME:		
ORIGINAL ISSUED:		PLOT DATE: 05/18/94		PRE AMP PICTORIAL
PLOT TIME: 08:50:58		DRAWING NO. 07P519-03		REV. 3
FILE NAME: 51903P3Z		SCALE: 1:1		SHEET: 2 OF 2

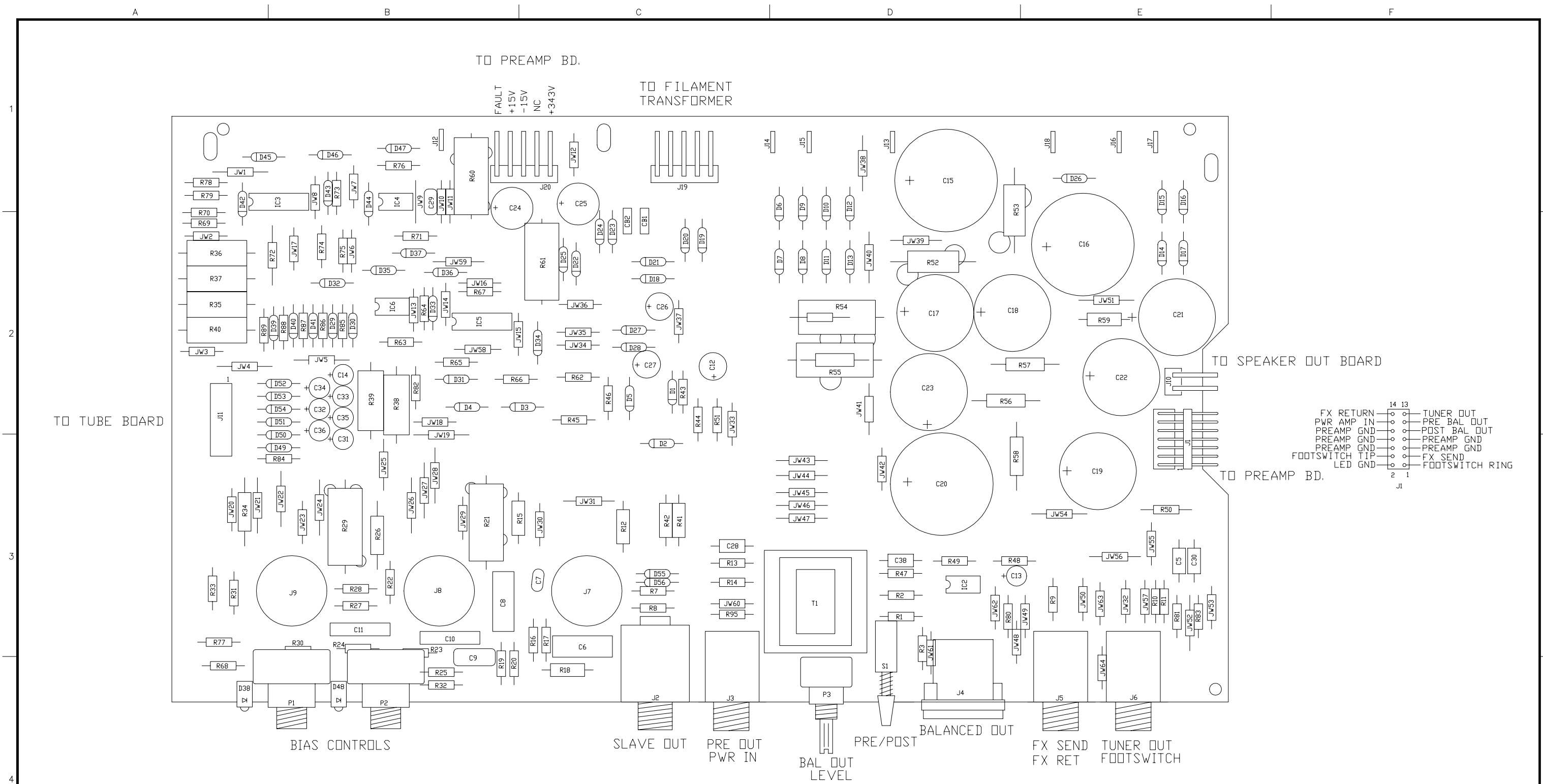


IC VOLTAGE TBL			
IC #	+15V	-15V	
IC1	PIN4	PIN11	
IC2	PIN4	PIN11	
IC3	PIN4	PIN11	
IC4	PIN8	PIN4	
IC5	PIN8	PIN4	

- EQ OUT
- EQ IN
- +15 V
- 15 V
- HI-VOLT SENSE
- PWR LED
- GND
- GND
- GND
- GND
- GND
- EQ CONTRL
- FAULT

- NOTES**
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  - VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER. EQ. ON, SLIDERS ARE IN CENTER POSITION.
  - VOLTAGES IN RECTANGLES ARE RMS SIGNAL VOLTAGES WITH 0.4v IN. OTHER VOLTAGES ARE D.C. IN CONDITIONS STATED.
  - CIRCUIT GROUND  $\nabla$  DIRTY GROUND  $\nabla$  CHASSIS GROUND  $\nabla$

2	2/12/98	WFB	12A > 12R CAPS PER E970840 ARTWORK TO REV 2	
2	05/25/94	LMA	REV CHG TO REFLECT JUMPER CHG PER E150	
1				
REV	DATE	BY	CHK'D	DESCRIPTION
SIGNATURES:		DATE:		 <b>11860 BORMAN DR.</b> <b>ST. LOUIS, MISSOURI</b> <b>63148</b>
DRAWN: ERW		3/11/93		
CHK'D: GM		07/09/98		
APP'D: 07/09/98		GM		
ORIGINAL ISSUED:				
PROJECT NAME: SVT-2 PRO				
DRAWING NAME: GRAPHIC EQ. SCHEMATIC				
PLOT DATE: 07/09/98		DRAWING NO. 07S728-02		
PLOT TIME: 10:01:48		REV. 3		
FILE NAME: 72802H3		SCALE: 1:1 SHEET: 1 OF 1		



14	FX RETURN	13	TUNER OUT
12	PWR AMP IN	12	PRE BAL OUT
11	PREAMP GND	11	POST BAL OUT
10	PREAMP GND	10	PREAMP GND
9	PREAMP GND	9	PREAMP GND
8	FOOTSWITCH TIP	8	FX SEND
7	LED GND	7	FOOTSWITCH RING
6		6	
5		5	
4		4	
3		3	
2		2	
1		1	

TO ADJUST BIAS:

ALLOW UNIT TO WARM UP FOR 20 MINUTES. ADJUST BIAS CONTROLS SO THAT ONLY THE GREEN LEDS ARE LIT. FOR UNMATCHED TUBES THIS CONDITION MAY NOT BE ABLE TO BE MET. IF SO ADJUST CONTROLS SO THAT ONLY THE RED LEDS ARE LIT. SEE THE OWNER'S MANUAL FOR TROUBLESHOOTING TIPS USING THE BIAS CONTROLS AND LEDS.

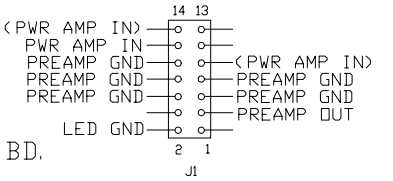
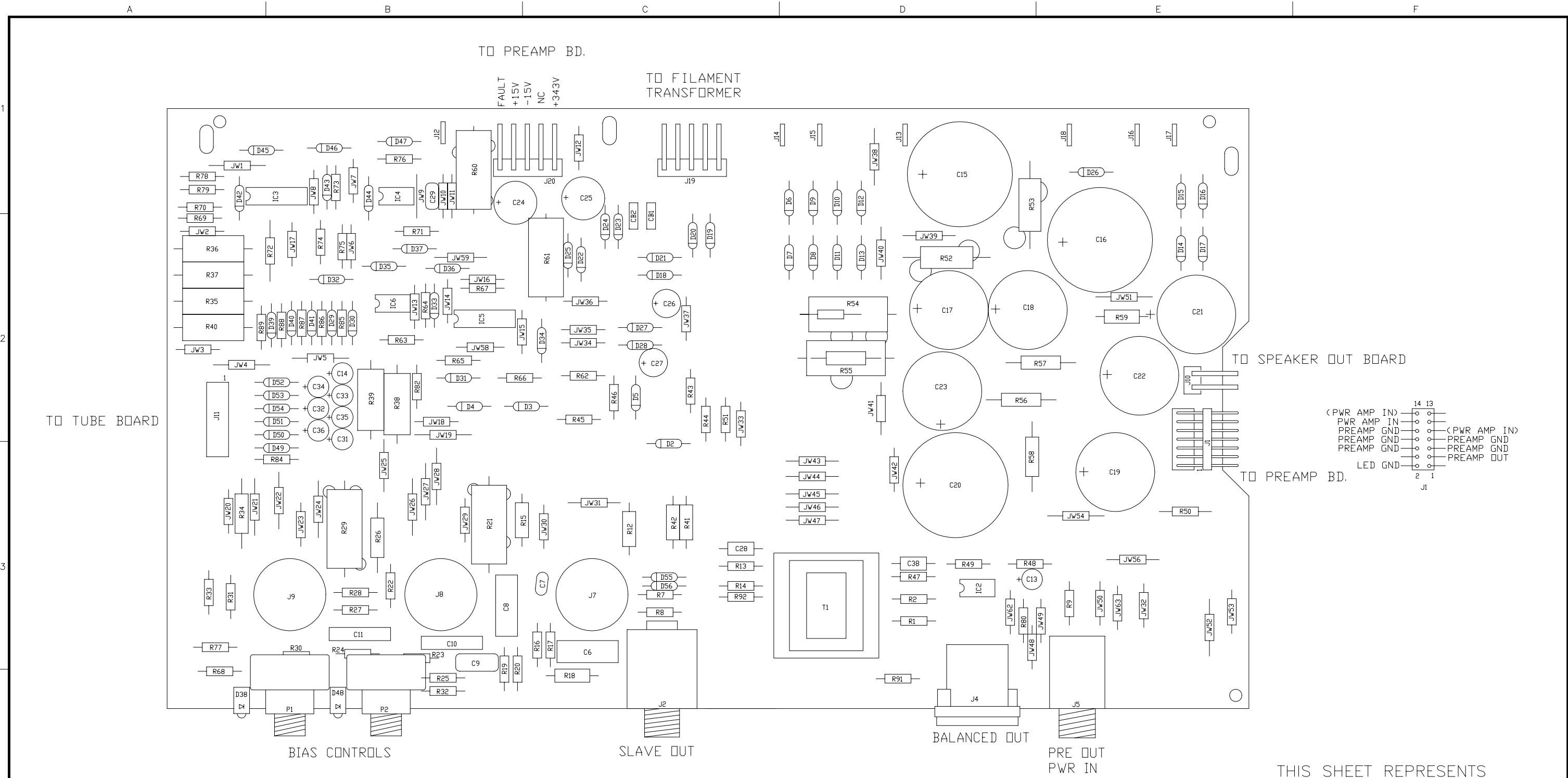
THIS DRAWING SUPERSEDES 07-419-03/11

PART NO. IS 07-419-04

B	7-28-00	CHANGED PARTS LIST	D000685	RLB		
A	4-11-00	INITIAL ISSUE	D000624			
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:			DATE:			
DRAWN: RLB			12-22-99			
CHK'D:			FIRST USED ON:			
RLS'D:			SVT-2PRO			
TOLERANCES:		DRAWING SIZE: C		DRAWING TITLE:		
		DRAWING TYPE: ASSEMBLY		PWA, POWER AMP		
		CLASS CODE:		DRAWING NO.:		
		SCALE: 1:1 SHEET: 1 OF 4		07-419-XX		

*SLM Electronics* 11880 Borman Dr. St. Louis, Missouri 63146





THIS SHEET REPRESENTS  
PART NO. 07-419-12

TO ADJUST BIAS:

ALLOW UNIT TO WARM UP FOR 20 MINUTES.  
ADJUST BIAS CONTROLS SO THAT ONLY THE GREEN LEDES ARE LIT. FOR UNMATCHED TUBES THIS CONDITION MAY NOT BE ABLE TO BE MET. IF SO ADJUST CONTROLS SO THAT ONLY THE RED LEDES ARE LIT. SEE THE OWNER'S MANUAL FOR TROUBLESHOOTING TIPS USING THE BIAS CONTROLS AND LEDES.

B	7-28-00	CHANGED PARTS LIST	D000685	RLB		
A	4-11-00	INITIAL ISSUE	D000624			
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:			DATE:			
DRAWN: RLB			12-22-99			
CHK'D:			FIRST USED ON:			
RLS'D:			SVT-2PRO			
TOLERANCES:		DRAWING SIZE: C		DRAWING TITLE:		
		DRAWING TYPE: ASSEMBLY		PWA, POWER AMP		
		CLASS CODE:		DRAWING NO.:		
		SCALE: 1:1 SHEET: 3 OF 4		07-419-XX		

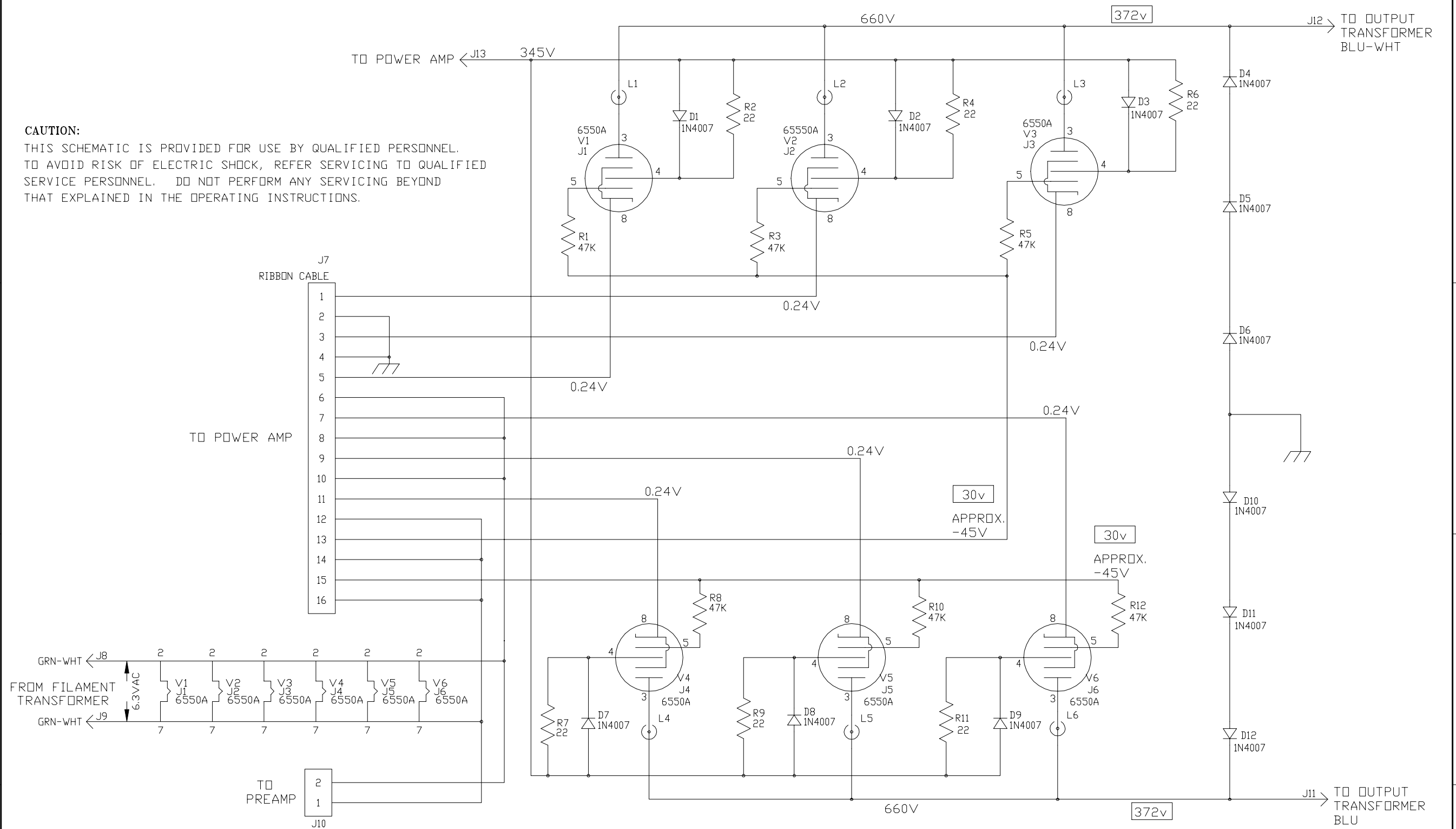
*SLM Electronics* 11880 Borman Dr.  
St. Louis, Missouri 63146





**CAUTION:**

THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.



**NOTES**

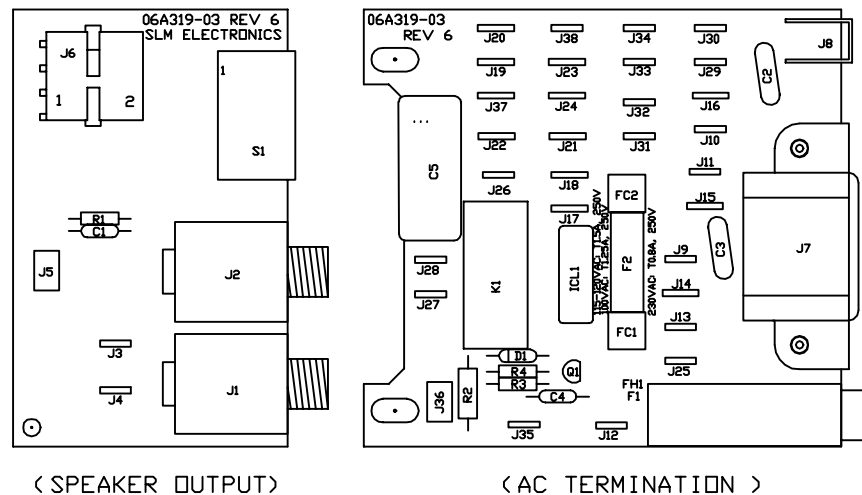
- 1) CAUTION: SHOCK HAZARD!! THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
- 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER. VOLTAGES IN RECTANGLES ARE RMS SIGNAL VOLTAGES WITH FULL POWER OUTPUT. OTHER VOLTAGES ARE DC WITH NO SIGNAL.

6				
5				
4	07/27/98	MAG		CHG'S TO PICTORIAL PER ECO 980466.

3	08/30/96	LMA		UPDATED REV TO REFLECT PIC CHANGE E960333
2	05/16/94	LMA		REV CHG TO REFLECT JUMPER CHG PER E150
1				
REV	DATE	BY	CHK'D	DESCRIPTION
<b>SIGNATURES:</b>		<b>DATE:</b>		11880 BORMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN: SWR		03/02/93		
CHK'D:				PROJECT NAME:
APP'D:				SVT-2 PRO
ORIGINAL ISSUED:				DRAWING NAME:
PLOT DATE:		08/14/98		TUBE Bd. SCHEMATIC
PLOT TIME:		14:05:00		REV. 4
FILE NAME:		41941h4_		DRAWING NO. 07S419-41
		SCALE: 1:1		SHEET: 1 OF 1

NOTES

- 1) CAUTION: SHOCK HAZARD!!  
THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
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- 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
- 4) CIRCUIT GROUND  $\perp$  DIRTY GROUND  $\nabla$  CHASSIS GROUND  $\nabla$
- 5) GOOD PRACTICE PER USUAL PRACTICE.



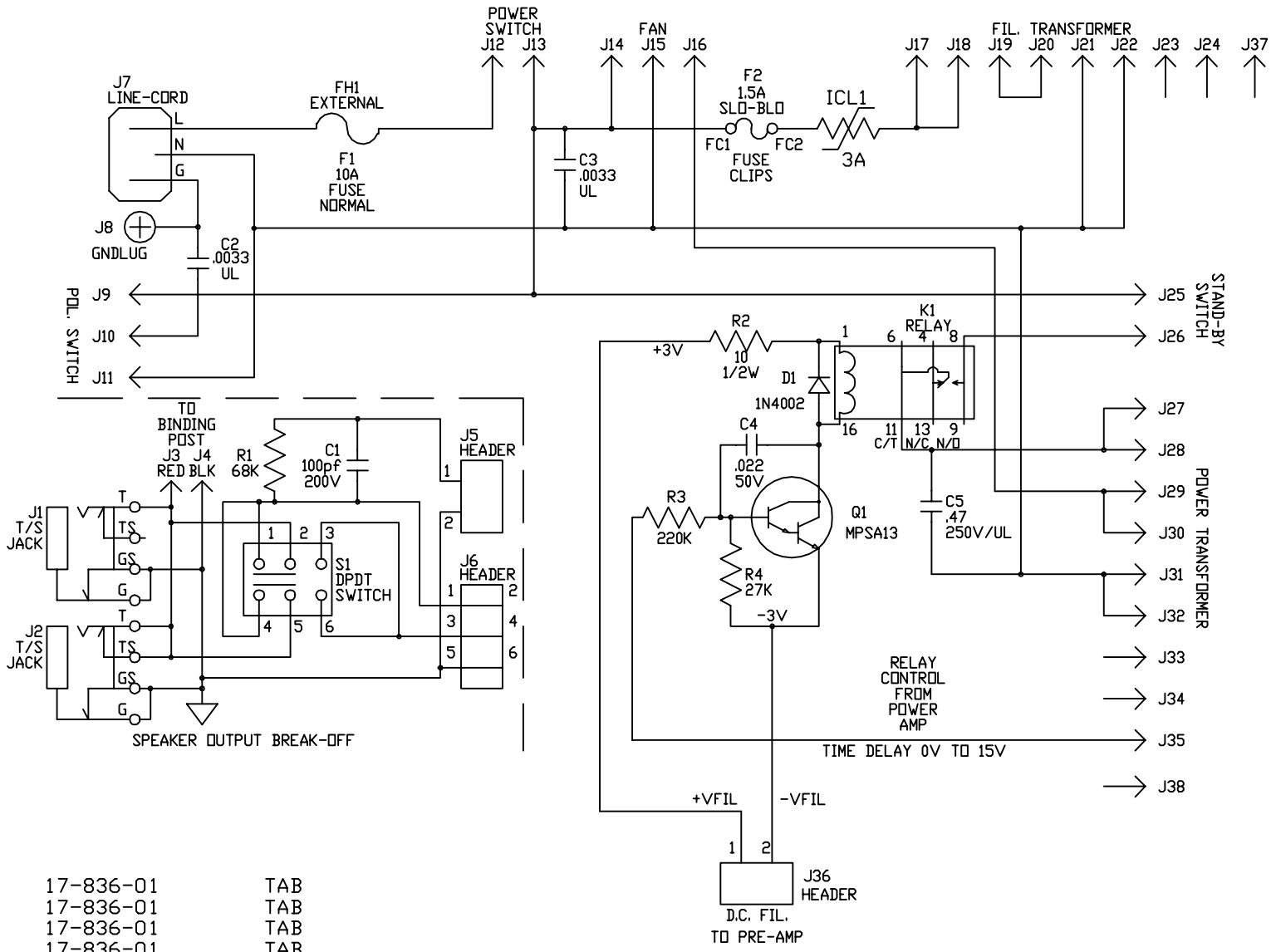
ARTWORK REV. 6

DESIGNATOR PART# DESCRIPTION

C1	10A101-21	100pf	200V
C2	10-332-01	0.0033	UL
C3	10-332-01	0.0033	UL
C4	10A223-01	0.022	50V
C5	10-474-25	0.47	250V/UL
D1	21A402-01	1N4002	
FC1	23-926-02	FUSE	CLIP
FC2	23-926-02	FUSE	CLIP
FH1	23-346-01	FUSE	HOLDER
ICL1	73-501-03	3A INRUSH LIMITER	
J1	39-116-01	T/S	JACK
J2	39-116-01	T/S	JACK
J3	17-836-01	TAB	
J4	17-836-01	TAB	
J5	17-310-02	2PIN	HEADER
J6	17-195-06	6PIN	HEADER
J7	17-604-01	LINE-CORD	CONNECTOR
J8	51-149-01	GNDLUG	
J9	17-894-01	TAB	
J10	17-894-01	TAB	
J11	17-894-01	TAB	
J12	17-836-01	TAB	
J13	17-836-01	TAB	
J14	17-894-01	TAB	
J15	17-894-01	TAB	
J16	17-894-01	TAB	
J17	17-894-01	TAB	
J18	17-894-01	TAB	
J19	17-894-01	TAB	
J20	17-894-01	TAB	
J21	17-894-01	TAB	
J22	17-894-01	TAB	
J23	17-894-01	TAB	
J24	17-894-01	TAB	

J25	17-836-01	TAB
J26	17-836-01	TAB
J27	17-836-01	TAB
J28	17-836-01	TAB
J29	17-836-01	TAB
J30	17-836-01	TAB
J31	17-836-01	TAB
J32	17-836-01	TAB
J33	17-836-01	TAB
J34	17-836-01	TAB
J35	17-836-01	TAB
J36	17-310-02	2PIN
J37	17-894-01	TAB
J38	17-836-01	TAB
K1	82-505-01	RELAY
Q1	96-013-01	MPSA13
R1	76-683-01	68K
R2	77-100-01	10
R3	76-224-01	220K
R4	76-273-01	27K
S1	88-214-02	SWITCH
F1	23-310-01	10A FUSE NORMAL
F2	23-308-05	1.5A FUSE SLO-BLO
PCB1	06A319-03	PC BRD.
(2)	30-638-53	SCREW
(2)	30-700-01	NUT
(1)	23-346-11	FUSE HOLDER CAP

MISC. HARDWARE



9				
8	11/13/97	SWR		ADDED ICL1, J37, & J38. PER ECO #970682.
7	11/04/96	SWR		CHANGED P/N FOR FC1 & FC2 & LABEL FOR F2. PER ECO #960445.
6	05/07/96	LMA	G. M.	ADDED C5 PER E960093
5	11/08/95	DMM		CHANGED 39-116-51 TO 39-116-01 PER E950348
4	03/22/95	REM		R1 FROM 33K TO 68K RESISTOR.
3	04/11/94	BC		CHANGED F1 FROM 15A TO 10A FUSE (23-315-01 TO 23-310-01) PER ECO E101
2	04/07/94	SWR		CHANGED C2 TO 10-332-01 .0033 UL. PER ECO #E126.
1	08/09/93	SWR		CHANGED P/N FOR PARTS J1 & J2.
REV	DATE	BY	CHK'D	DESCRIPTION
SIGNATURES:		DATE:		11880 BORMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN: ERW		03/11/93		
CHK'D: GM		8/9/93		PROJECT NAME:
APP'D: GM		8/9/93		SVT-2 PRO
ORIGINAL ISSUED:		8/9/93		DRAWING NAME:
PLOT DATE:		11/13/97		AC-TERM BRD.
PLOT TIME:		08:19:22		DRAWING NO. 07P319-03
FILE NAME:		31903p8_		REV. 8
SCALE: 1:1		SHEET: 1 OF 1		